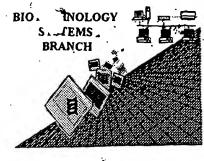
RAW SEQUENCE LISTING ERROR REPORT



412

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216. PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax) PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address: http://www.uspto.gov/web/offices/pac/checker

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION SERIAL NUMBER: 09/479608
ATTN: NEW RULES CASES	s: Please disregard english "alpha" headers, which were inserted by Pto Sc
1Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
2Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.
3Misaligned Amino Numbering	The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
4Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
5Variable Length	Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6Patentin 2.0 "bug"	A "bug" in Patentin version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) Normally, Patentin would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
7Skipped Sequences (OLD RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped
, ,	Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to Include the skipped sequences.
8 Skipped Sequences (NEW RULES)	Sequence(s) missing. If Intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000
9Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220><223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
10Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
11Use of <220>	Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
12PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of Patentln version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
Misuse of n	n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

AMC/MH - Biotechnology Systems Branch - 08/21/2001

The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

DATE: 08/09/2001

TIME: 13:18:12 US/09/479,608 PATENT APPLICATION: Input Set : A:\35918.txt Output Set: N:\CRF3\08092001\I479608.raw 5 <110> APPLICANT: Drmanac, R. Drmanac, S. Does Not Comply 7 Kita, D. Corrected Diskette Needed 8 Cooke, C. Xu, C. g 11 <120> TITLE OF INVENTION: ENHANCED SEQUENCING BY HYBRIDIZATION USING POOLS OF PROBES 13 <130> FILE REFERENCE: 28110/35918 15 <140> CURRENT APPLICATION NUMBER: US 09/479,608 16 <141> CURRENT FILING DATE: 2000-01-06 18 <150> PRIOR APPLICATION NUMBER: US 60/115,284 19 <151> PRIOR FILING DATE: 1999-01-06 21 <160> NUMBER OF SEQ ID NOS: 71 23 <170> SOFTWARE: PatentIn version 3.0 25 <210> SEQ ID NO: 1 26 <211> LENGTH: 10 27 <212> TYPE: DNA 28 <213> ORGANISM: Artificial Sequence Description required in field 223 30 <220> FEATURE: 31 <223> OTHER INFORMATION: 33 <400> SEQUENCE: 1 10 34 aaaaaaaaaa 37 <210> SEQ ID NO: 2 38 <211> LENGTH: 10 39 <212> TYPE: DNA 40 <213> ORGANISM: Artificial Sequence 43 <223> OTHER INFORMATION: Description of artificial sequence required 45 <400> SEQUENCE: 2 46 acacacacac 48 <210> SEQ ID NO: 3 49 <211> LENGTH: 20 50 <212> TYPE: DNA 54 <223> OTHER INFORMATION: description of artificial sequence sequence 56 <400> SEQUENCE: 3
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RAW SEQUENCE LISTING

The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

70 <210> SEQ ID NO: 71 <211> LENGTH: 43

PATENT APPLICATION: US/09/479,608

DATE: 08/09/2001 TIME: 13:18:12

Input Set : A:\35918.txt

Output Set: N:\CRF3\08092001\I479608.raw 72 <212> TYPE: DNA 73 <213> ORGANISM: Artificial Sequence 75 <220> FEATURE: LENGTH: 43

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90 <222> LOCATION:

91 <223> OTHER INFORMATION. 1

93 <400> SEQUENCE

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43

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PATENT APPLICATION: US/09/479,608

DATE: 08/09/2001 TIME: 13:18:12

Input Set : A:\35918.txt

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DATE: 08/09/2001 PATENT APPLICATION: US/09/479,608 TIME: 13:18:12

Input Set : A:\35918.txt

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Input Set : A:\35918.txt

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/479,608

DATE: 08/09/2001 TIME: 13:18:13

Input Set : A:\35918.txt

NOTIC	CE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING EOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES
not co	ucleotide and/or amino acid sequence disclosure contained in this application does omply with the requirements for such a disclosure as set forth in 37 CFR 1.821 - for the following reason(s):
X	1. This application clearly fails to comply with the requirements of 37 CFR 1.821-
•	1.825. Applicant's attention is directed to these regulations, published at 114 OC 29, May 15, 1990 and at 55 FR 18230, May 1, 1990.
X	2. This application does not contain, as a separate part of the disclosure on
	paper copy, a "Sequence Listing" as required by 37 CFR 1.821(c).
	3. A copy of the "Sequence Listing" in computer readable form has not been
	submitted as required by 37 CFR 1.821(e).
	4. A copy of the "Sequence Listing" in computer readable form has been submitted.
	However, the content of the computer readable form does not comply with the requirements of 37 CFR 1.822 and/or 1.823, as indicated on the attached copy of the marked-up "Raw Sequence Listing."
	5. The computer readable form that has been filed with this application has been
	found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d).
	6. The paper copy of the "Sequence Listing" is not the same as the computer
	readable form of the "Sequence Listing" as required by 37 CFR 1.821(e).
	7. Other:
Appl	icant must provide:
\square	An initial or substitute computer readable form (CRF) copy of the "Sequence
[7]	Listing"
لکا	An initial or substitute paper copy of the "Sequence Listing", as well as an
X	amendment directing its entry into the specification
	A statement that the content of the paper and computer readable copies are the sar and, where applicable, include no new matter, as required by 37 CFR 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d)

For questions regarding compliance with these requirements, please contac

For Rules Interpretation, call (703) 308-1123 For CRF submission help, call (703) 308-4212 For PatentIn software help, call (703) 557-0400

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